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MODEL NO: MQT154A1XXXX001A

DRAWING NO: 971532 REV: D

SPECIFIED OUTPUT WATTAGE	150 WATTS		
TEMPERATURE COEFFICIENT	200		
THERMAL SHUT DOWN	NO		
REMOTE ON/OFF POLARITY	OPEN OR PULLED UP FOR P.S.U. ON		
SENSE FOR V1 AND V2	J4		
TEMPERATURE RANGE	0 DEGREES C TO	50 DEGREES C	
TEMPERATURE COEFFICIENT	0.02% PER DEGREE C		
ENVIRONMENT: CONVECTION	N/A		
FORCED AIR: FPM	N/A CFM	25MIN	FOR 150 WATTS
FAN OUTPUT	N/A A	N/A	VOLTS
EMI: FCC LEVEL A B	B		
CISPR25, VCCI	B		
CISPR25	B		
SAFETY: UL: 478, 1012, 1950	UL 1950		
CSA: 22.2M, 1982, 234, 1402	CSA 234 & 950		
IEC: 380, 435, 950	TUV 950		
VDE: 0840, 0808	DESIGNED TO MEET EN30060		
OTHER:	N/A		
MECHANICAL OUTLINE: STANDARD	YES	P/N : 120251	
SPECIAL	N/A		

SPECIAL REQUIREMENTS:

NOTES:

1. LOAD O/P TO V1=2.5A, V2=0A, V3=0A, V4=4A FOR VOLTAGE SETTING.
2. TO CHECK CURRENT LIMIT O/P SHOULD BE LOADED TO MAX LOAD V1=15A, V2=5A, V3=0.5A, V4=1A.
3. MAX. COMBINED CURRENT OF OUTPUTS V1 AND V2 SHOULD BE LESS THAN 26A.
4. V3 IS AN ISOLATED OUTPUT
5. CONNECT 0.01 μ F CERAMIC AND 10 μ F TANTALUM CAPACITOR AT THE OUTPUT CONNECTOR WHILE CHECKING PARD
6. WHILE USING REMOTE SENSE THE GROUND FOR 12V AND 5V SHOULD BE THE SAME POINT OR THE SAME GND WIRES CONNECTIONS.
7. THE O/P CONNECTOR HARNESS HAS 18AWG MULTI STRAND WIRES OF 1 1/2 FT LENGTH AND THE SENSE HARNESS IS ALSO 22 AWG AND 1 1/2FT.
8. THE POWER SUPPLY MUST OPERATE AT 88 VAC (MIN) FOR A PERIOD OF 0.5 SECONDS @ 150 WATTS WITH NO FUNCTIONAL ERRORS. THE POWER FAIL SHOULD BE T.T.L HIGH AND THE OUTPUTS SHOULD REMAIN WITHIN REGULATION.

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OPTION CONNECTOR

CONNECTOR	PIN NO.	FUNCTION
J3	1	POWER FAIL
J3	2	NO PIN
J3	3	RTN (V1, V2, V4)
J3	4	REMOTE ON / OFF
J3	5	RTN (V1, V2, V4)

OPTION CONNECTOR

CONNECTOR	PIN NO.	FUNCTION
J4	1	V1 (+) SENSE
J4	2	V1 (-) SENSE
J4	3	V2 (+) SENSE
J4	4	V2 (-) SENSE

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OUTPUT CONNECTOR

CONN NO.	PIN NO.	FUNCTION
J2	1	+ V2
J2	2	+ V2
J2	3	+ V1
J2	4	+ V1
J2	5	+ V1
J2	6	+ V1
J2	7	RTN (V1, V2, V4)
J2	8	RTN (V1, V2, V4)
J2	9	RTN (V1, V2, V4)
J2	10	RTN (V1, V2, V4)
J2	11	RTN (V1, V2, V4)
J2	12	V3 (+) FLOATING
J2	13	V3 (-) FLOATING
J2	14	+ V4
J2	15	+ V4

INPUT CONNECTOR

CONNECTOR	PIN NO.	FUNCTION
J1	1	LINE IN
J1	2	NO PIN
J1	3	NEUTRAL
J1	4	NO PIN
J1	5	SAFETY GROUND

POWER SUPPLY SPECIFICATION

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OUTPUT	NOTE 1	V1	V2	V3	V4	V5	V6
NOM. VOLTAGE	V	+5	3.3	-12 NOTE 4	+12		
SET TOLERANCE	V NOTE 1	5.14 TO 5.18	3.29 TO 3.33	-12.08 TO -12.12	-		
ADJ. RANGE	V	4.75 TO 5.25	3.0 TO 3.7	-11.5 TO -12.5	TRACKS V1		
MIN. CURRENT	A	2.8A	0	0	0.8		
MAX. CURRENT	A NOTE 3	28.0	8.0	1.0	8.0		
PEAK CURRENT	A	N/A	N/A	N/A	N/A		
PEAK DURATION	SEC	N/A	N/A	N/A	N/A		
REG LOAD, LINE, CROSS		4.85 TO 5.25	3.20 TO 3.40	-11.40 TO -12.60	11.40 TO 12.60		
PARB 20MHZ BW	mV P/P NOTE 5	50	50	120	120		
CURRENT LIMIT	NOTE 2	27 TO 38	9 TO 14	1.2 TO 5	6.5 TO 15		
OVP SETTING	V	8.0 TO TO 6.5	3.98 TO TO 4.28	N/A N/A	N/A N/A		
REMOTE SENSE	NOTE 6 & 7	YES	YES	N/A	N/A		
UVP SETTING	+/-V	N/A	N/A	N/A	N/A		
REVERSE RATING	A	25	8	1	6		
TRANSIENT RESPONSE 25% LOAD STEP (1A / Usec)	+	0.15	0.099	0.36	0.6		

